CPX 900,1500 2600 PARTS LIST

Please note: T&R means a through-hole part, SMD means a surface mount part.

Transistors, FET's

2SC5200	NPN T0-3P Output	70467230
2SA1943	PNP T0-3P Output	70457230
MJE15032	NPN T0-220 Driver	70415032
MJE15033	PNP T0-220 Driver	70415033
2SC4793	NPN T0-220 Pre-driver	70404793
2SA1837	PNP T0-220 Pre-driver	70401837
SS8050C	NPN T0-92- use MPS6531	70466531
SS8550C	PNP T0-92- use MPS6534	70466533
J174	P-Channel T0-92 FET, T&R	70400174
T3904	NPN SOT-23 SMD	70418135
T3906	PNP SOT-23 SMD	70418136
IRFZ44	T0-220 FET- use IRF1310 (PV2600, don't mix 44 and 1310)	73900381
IRF1310	T0-220 FET do not mix with IRFZ44)	73900381

Diodes, Bridge Rectifier

IN4003	1 amp 200v T&R	70464003
1N4001	50v 1.6a D041 SMD	70418103
1N4148	75v T&R	70464148
1N4148	75v LL34 SMD	70418026
1N4744	15v 1 watt Zener T&R	70440102
1N4745	16v 1 watt Zener- use SZP30050 T&R	70430050
BZX55	5.1v ½ watt Zener T&R	73900430
1SS244	300v T&R (PV2600)	73900429
1SS142	250v T&R	70400142
1N5402	MR502 200v 3 amp T&R	70400502
MUR1520	Fast recovery T0-220 200v, 15 amp T&R	73900374
1N5393	200v, 1.5a T&R	70465393
LED Green	Right Angle	73900433
LED Red	Right Angle	73900434
LED Yellow	Right Angle	73900435
Bridge Rectifier	25 amp 400v MP254W, BR25W	73900368

Triacs, SCR's, Regulators

LM317T	1 amp T0-220 Adjustable Regulator	70400317
7815	1.5 amp Positive 15v T0-220 Insulated Regulator	70400318
7915	1.5 amp Negative 15v T0-220 Insulated Regulator	70400319
MAC224-8	40 amp 600v T0-220 Triac (can use SAC187 70400187)	73900379
2N5064	SCR .8 amp 200v	73900437

Integrated Circuits

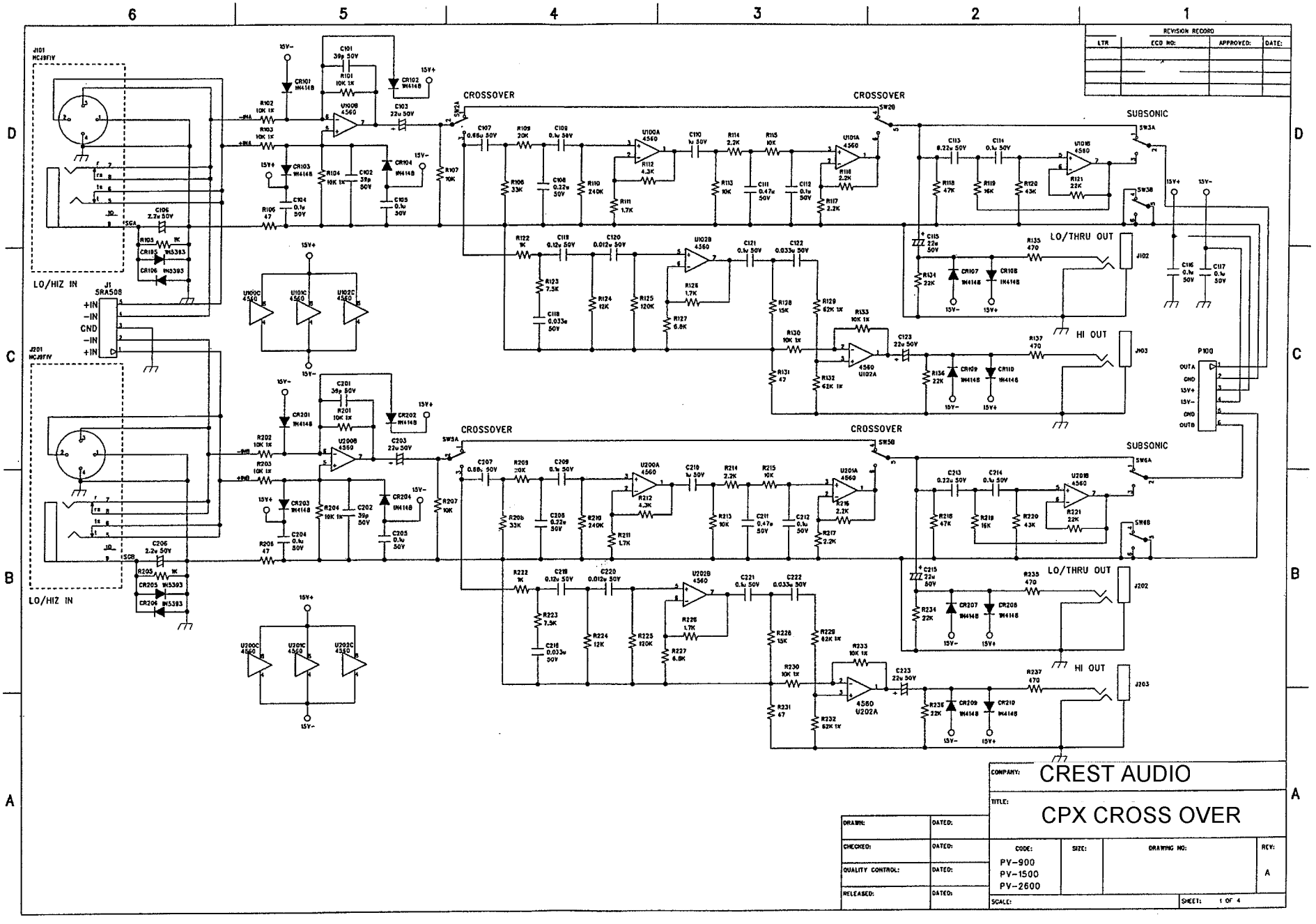
NJM4560M	Dual Opamp S0-8 SMD	70418053
LM311	Voltage Comparator S0-8 SMD	70418014
CA3080	Single OTA 8 pin DIP	70413080
LM358	Low Power Dual Opamp S0-8 SMD	70418276

Thermistors, Surgistors, Capacitors, Resistors

NTH4037A502	Thermistor NTC	73900378
Surgistor	1 ohm 30 amp	70250123
1200uf 63v	Radial Cap	73900369
3300uf 100v	Radial Cap	73900370
4700uf 80v	Radial Cap	73900371
22uf 50v	Radial Cap	70320181
10uf 50v	Radial Cap	70320185
2.2uf 50v	Non-Polarized Radial Cap	70320184
.33 ohm 5 watt	Resistor T&R	70250003
5.6 ohm 5 watt	Resistor T&R	70250026
4k ohm 5 watt	Resistor T&R	70250050
22 ohm 1 watt	Resistor T&R	70210001
47k 1 watt	Resistor T&R	70210004
4.7 ohm ¼ watt	Resistor T&R Flameproof	70240094

Miscellaneous

Circuit Breaker	10 amp	73900372
Circuit Breaker	15 amp	70901275
Circuit Breaker	5 amp (export)	73900440
Circuit Breaker	8 amp (export)	70902302
1 amp Fuse	Slow-Blow 5x20 mm	73900569
Fuse Clip	P.C. Mount	73900431
Fan	24v	73900375
Volume Pot	50k Linear	73900380
Knob	Low Profile, flush with front of unit (newer style)	70902298
Knob	Earlier Units, not flush with front of unit (older style)	73900432
Knob Adapter	White Pointer Adapter for 73900432 knob above	73900432
Power Switch		73900377
Push Switch	Bridge, DDT Defeat	73900376
Binding Posts	Red and Black Posts, per channel	73900438
Speakon Connector		B7050018
Neutrik Combo Input Jack		71466398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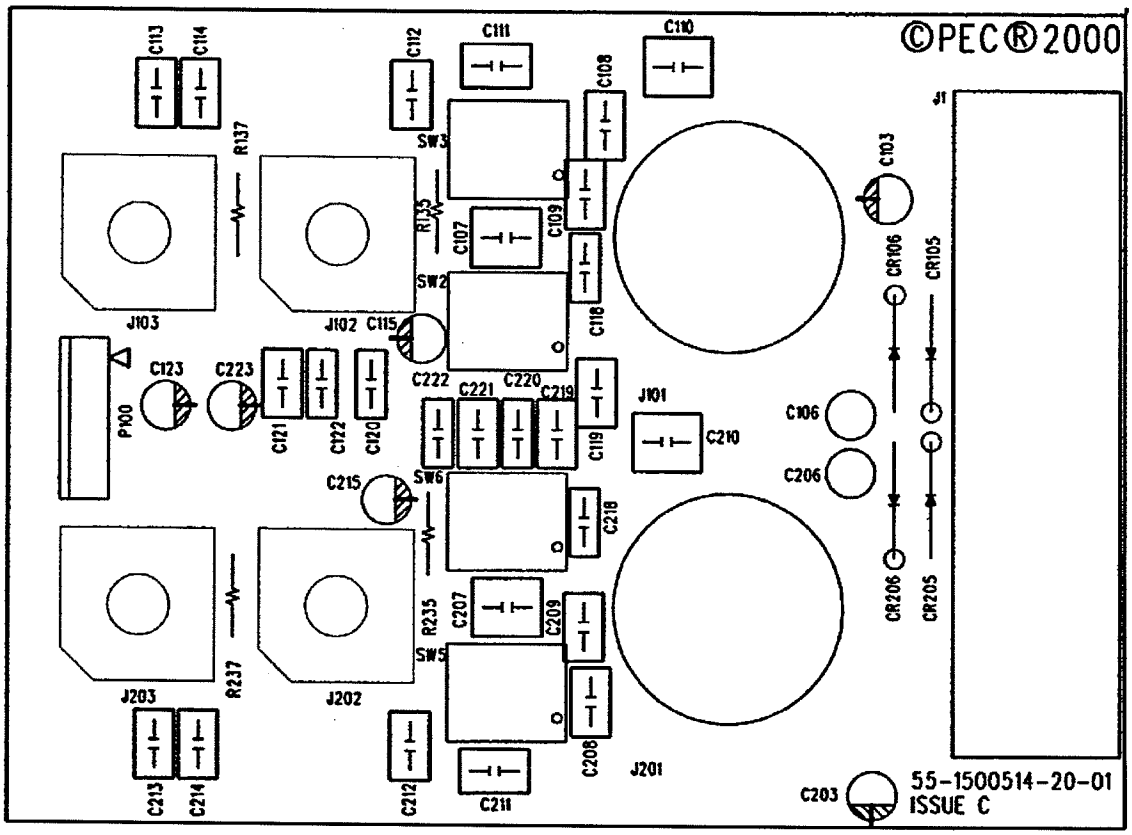
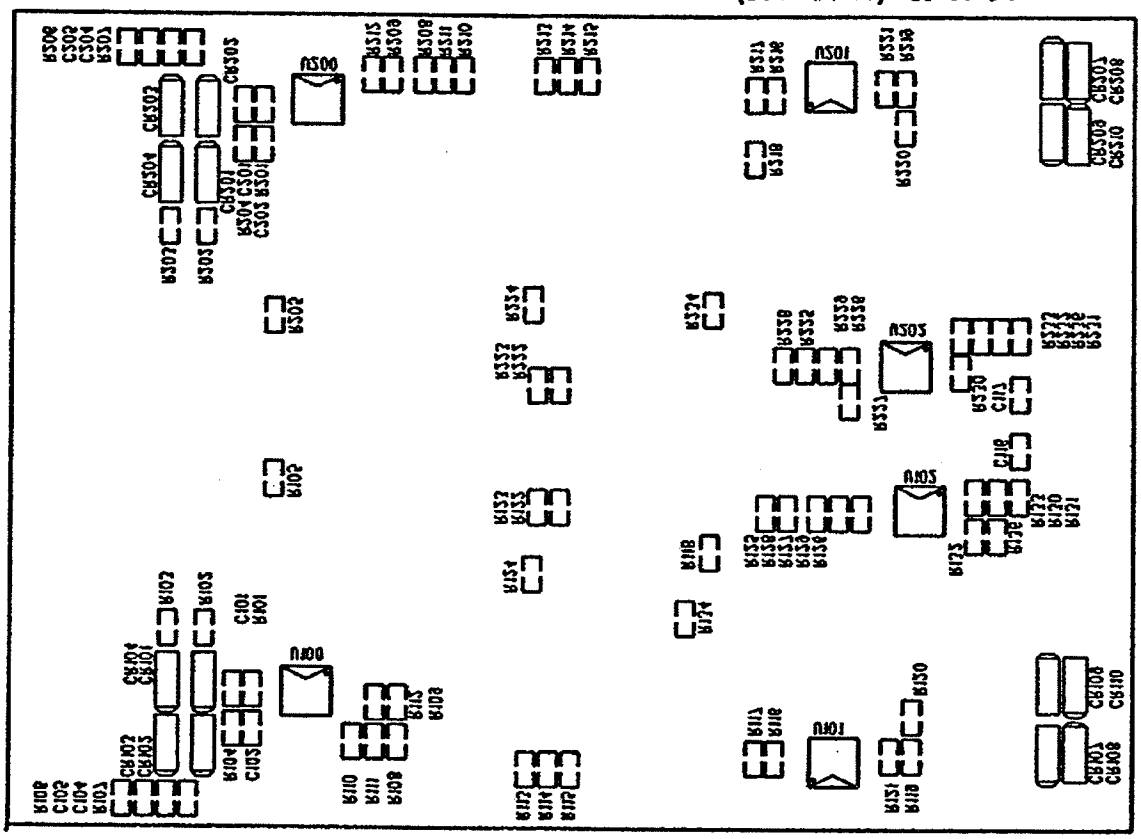
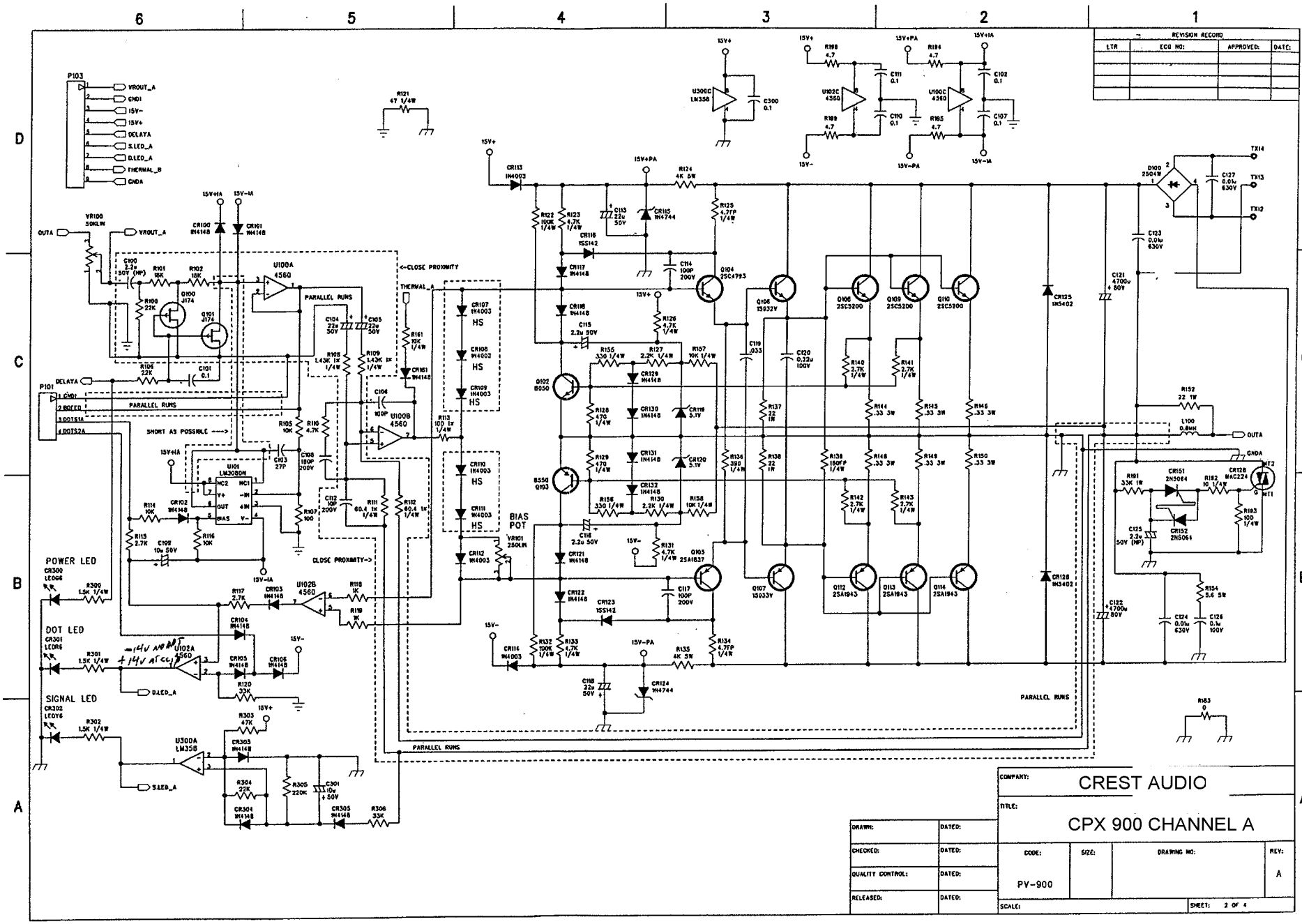
LTR
ECO NO:
APPROVED:
DATE:
CROSSOVER
CROSSOVER
SUBSONIC
LO/THRU OUT
HI OUT
LO/HIZ IN
CREST AUDIO
CPX CROSS OVER
DRAWN:
CHECKED:
QUALITY CONTROL:
RELEASED:
DATED:
CODE:
PV-900
PV-1500
PV-2600
SIZE:
DRAWING NO:
REV:
A
SCALE:
SHEET: 1 OF 4



SILKSCREEN (COMPONENT SIDE)



SILKSCREEN (SOLDER SIDE)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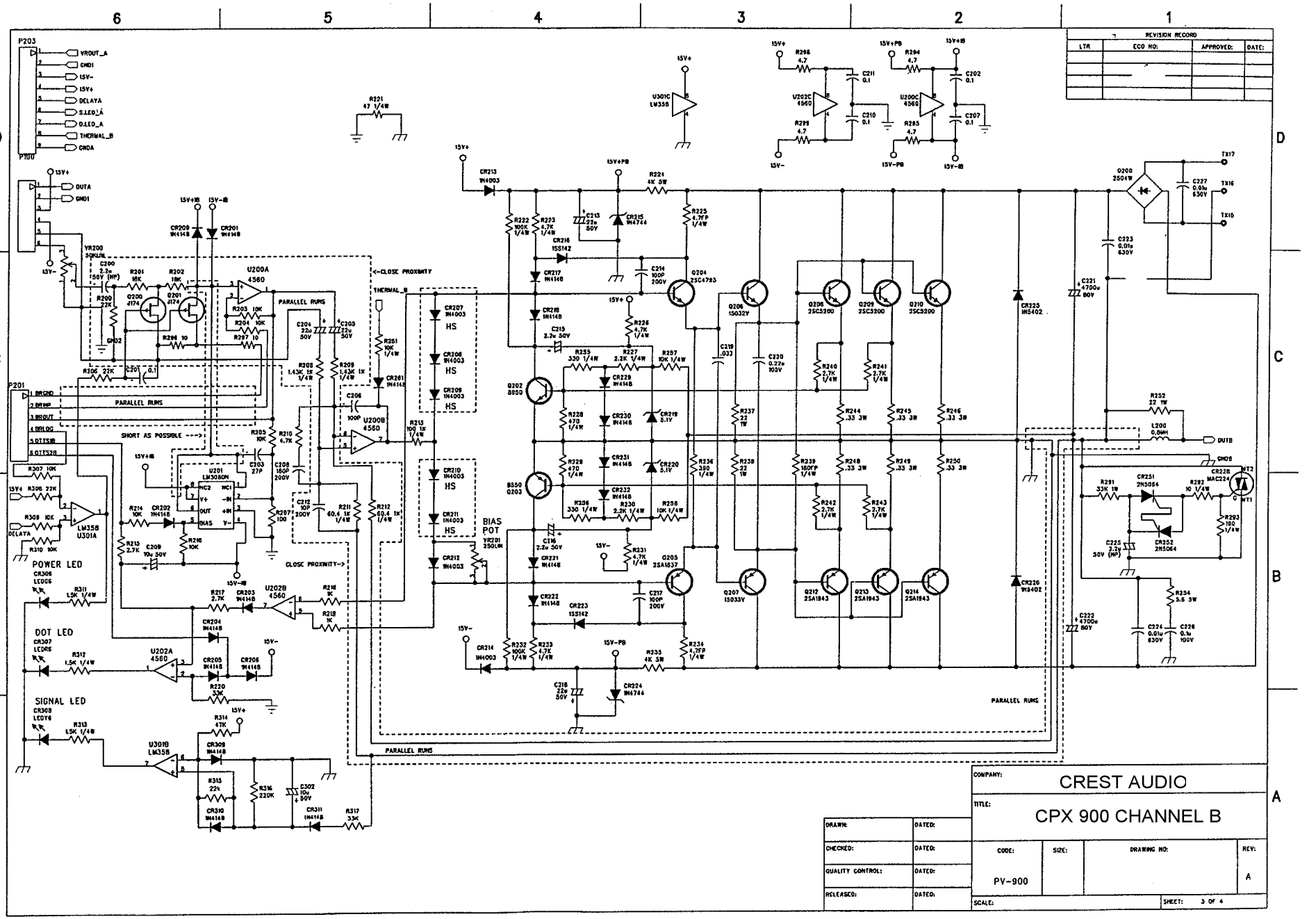
APPROVED:
DATE:
COMPANY: CREST AUDIO
TITLE: CPX 900 CHANNEL A
DRAWN:
DATED:
CHECKED:
QUALITY CONTROL:
RELEASED:
CODE: PV-900
SIZE:
DRAWING NO:
REV: A
SCALE:
SHEET: 2 OF 4
POWER LED
DOT LED
SIGNAL LED
BIAS POT
PARALLEL RUNS
SHORT AS POSSIBLE
CLOSE PROXIMITY
<-CLOSE PROXIMITY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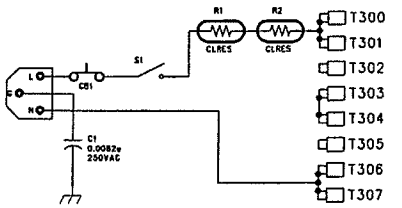
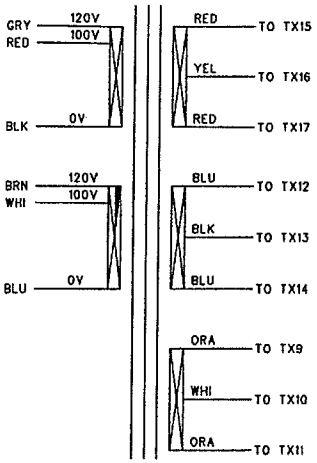
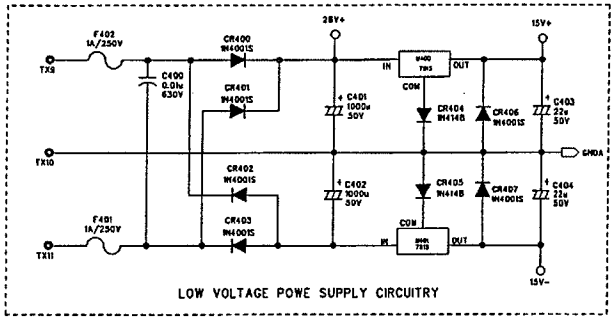
ECO NO:
APPROVED:
DATE:
COMPANY:
CREST AUDIO
TITLE:
CPX 900 CHANNEL B
DRAWN:
DATED:
CHECKED:
DATED:
QUALITY CONTROL:
DATED:
RELEASED:
DATED:
CODE:
PV-900
SIZE:
DRAWING NO:
REV:
A
SCALE:
SHEET: 3 OF 4
PARALLEL RUNS
SHORT AS POSSIBLE
CLOSE PROXIMITY
BIAS POT
POWER LED
DOT LED
SIGNAL LED

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

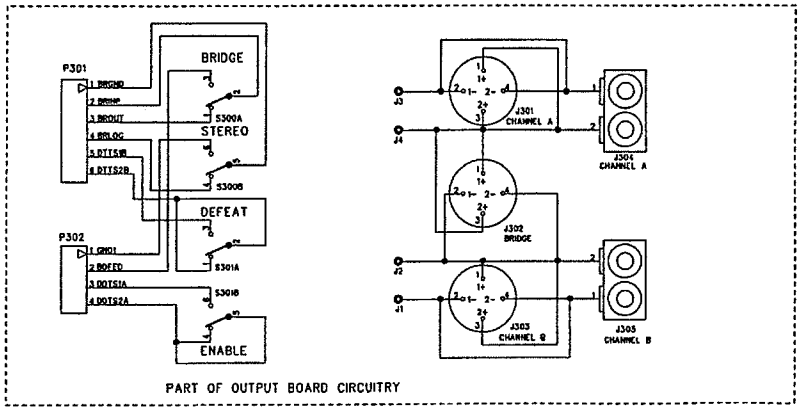
MAINS SELECT		
240V	120V	100V
PRIMARY LEADS		
GRY	GRY	RED
–	BRN	WHI
RED	RED	GRY
BLK	–	–
BRN	–	–
WHI	WHI	BRN
–	BLK	BLK
BLU	BLU	BLU
CIRCUIT BREAKER		
7.5A 250V	15A 125V	15A 125V
SURGE LIMITER		
15A 2 ohm	30A 1 ohm	30A 1 ohm



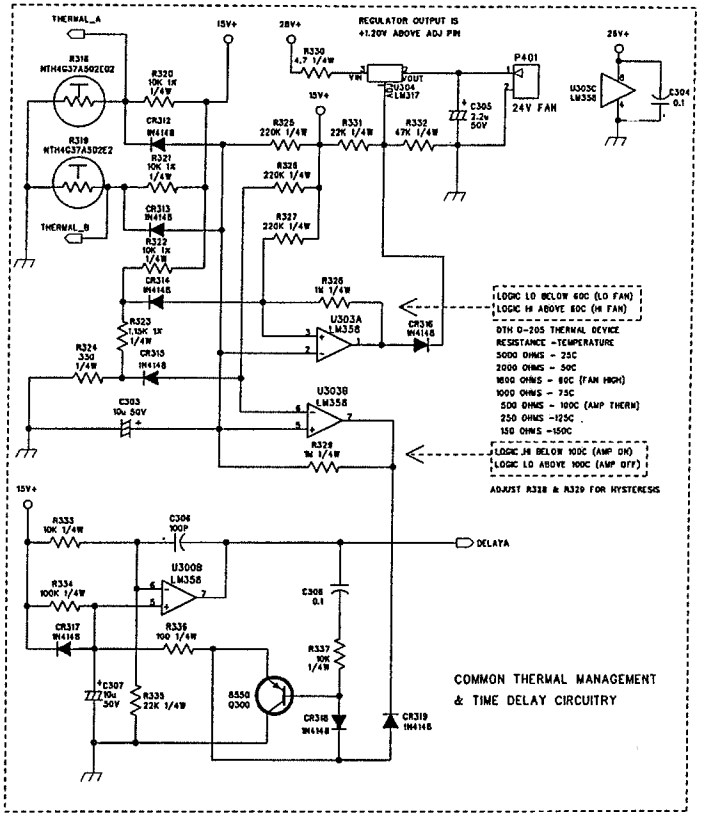




LOW VOLTAGE POWE SUPPLY CIRCUITRY

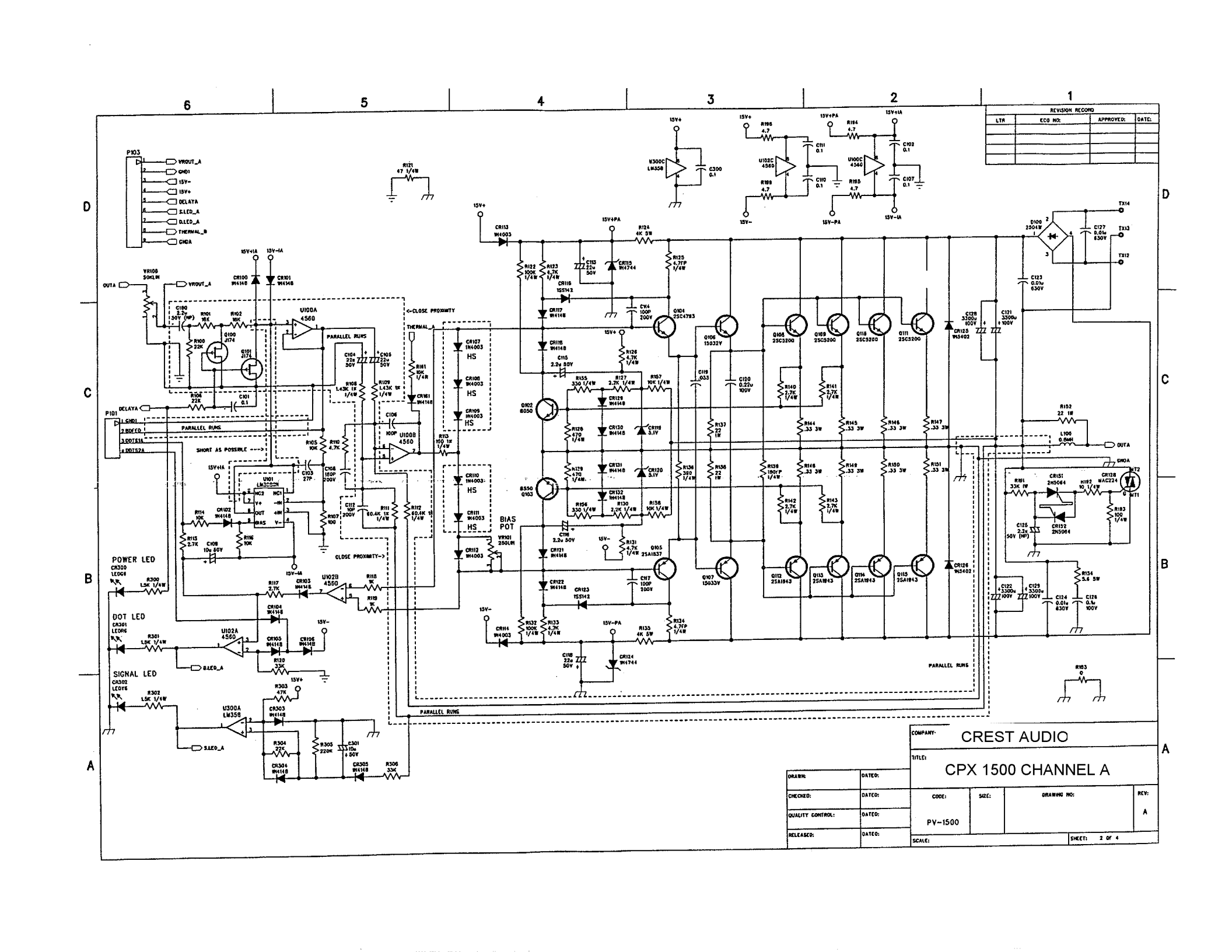


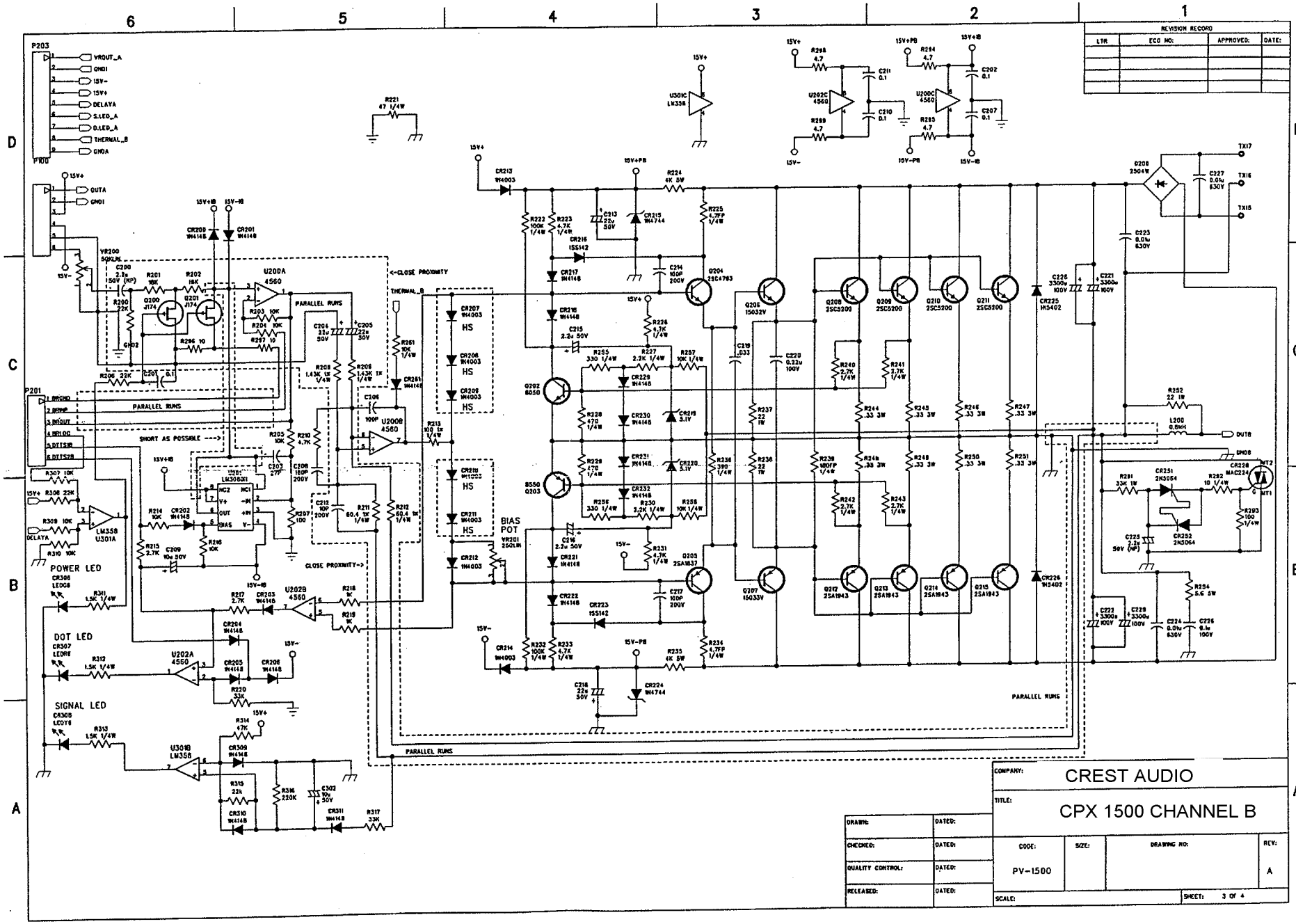
PART OF OUTPUT BOARD CIRCUITRY

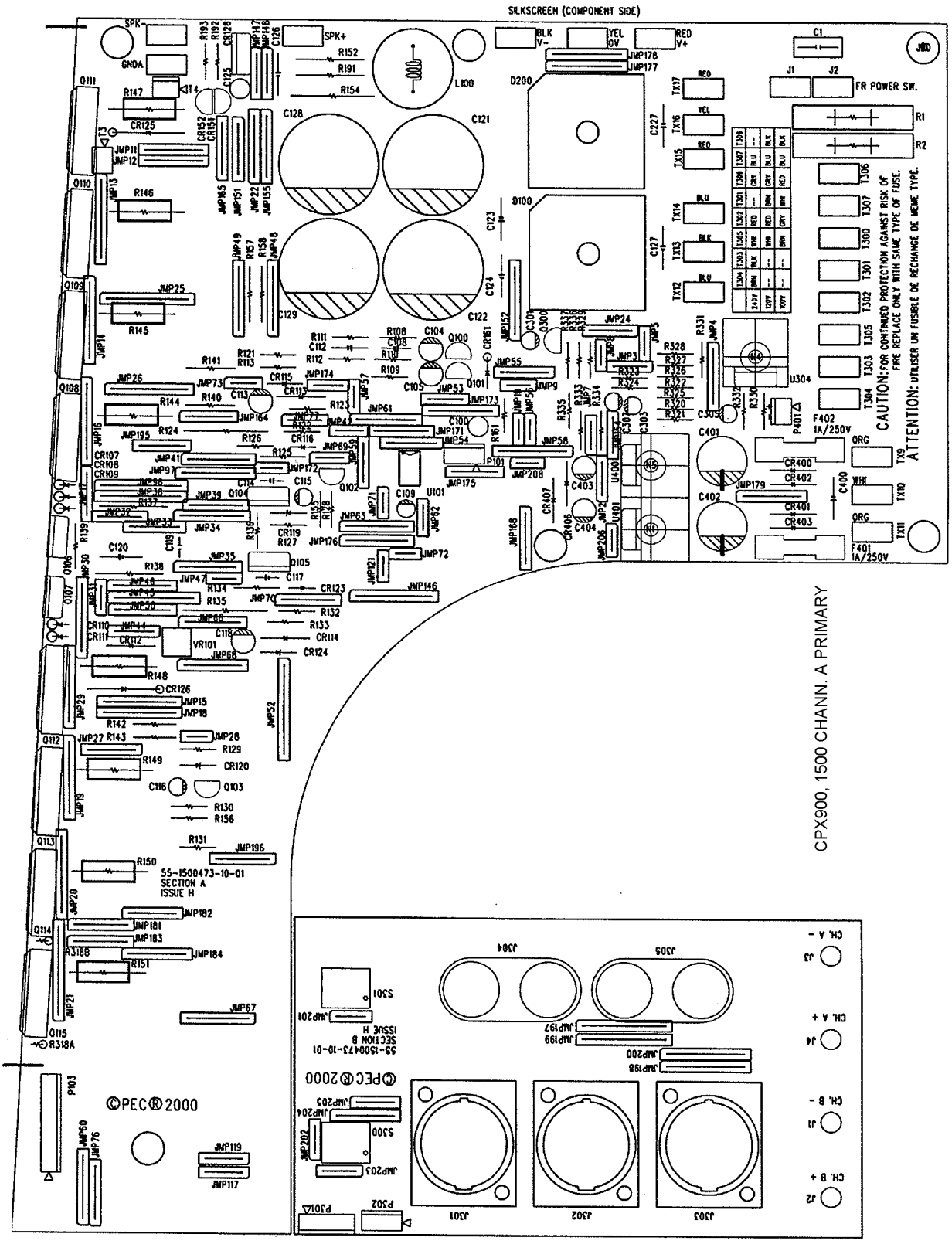


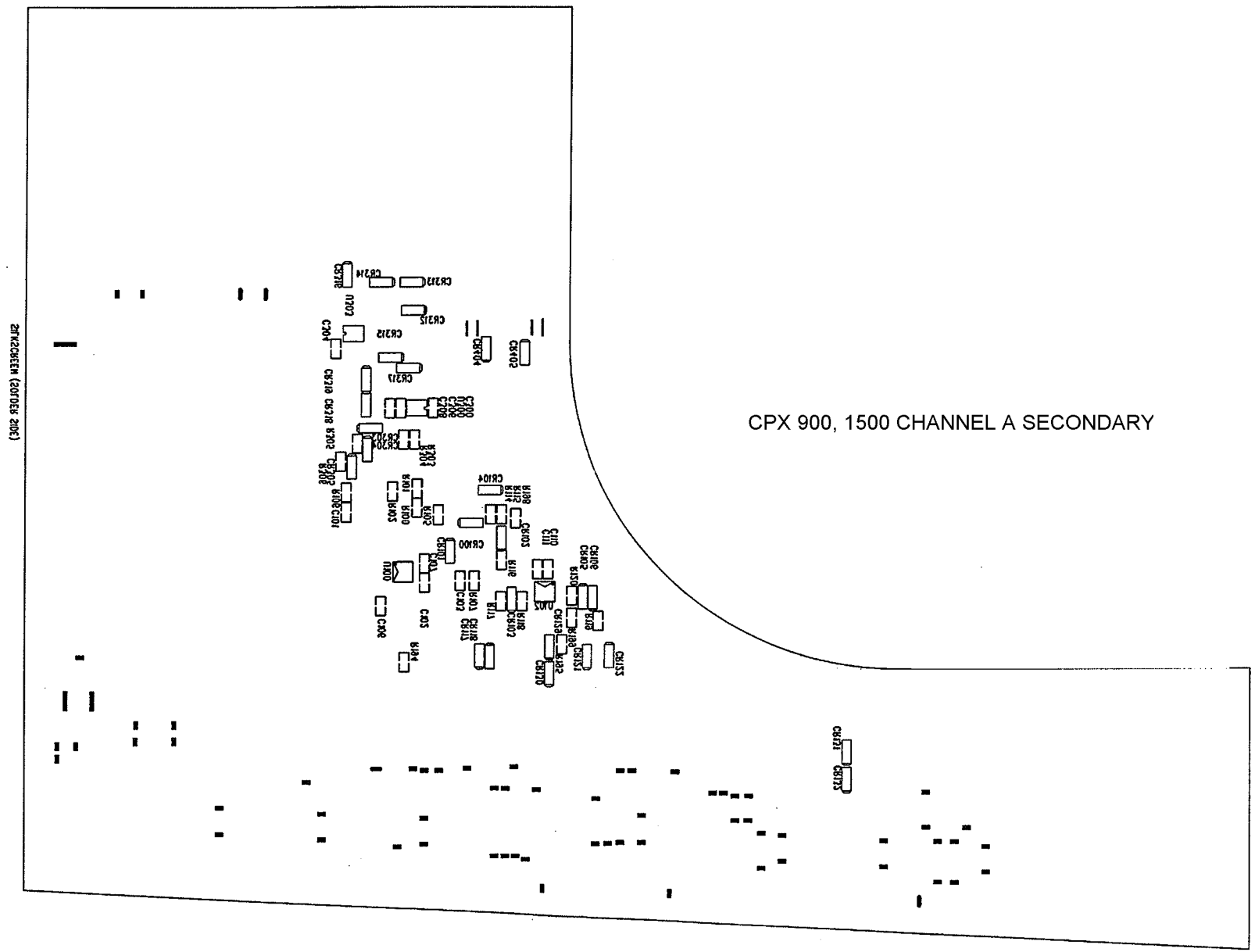
COMMON THERMAL MANAGEMENT
& TIME DELAY CIRCUITRY

DRAWN:	DATED:	COMPANY: CREST AUDIO	
CHECKED:	DATED:	TITLE: POWER AMP (OUTPUT, POWER SUPPLY, COMMON THERMAL MANAGEMENT & TIME DELAY CIRCUITRY)	
QUALITY CONTROL:	DATED:	CODE:	SIZE: DRAWING NO: REV: A
RELEASED:	DATED:	SCALE:	SHEET: 4 OF 4

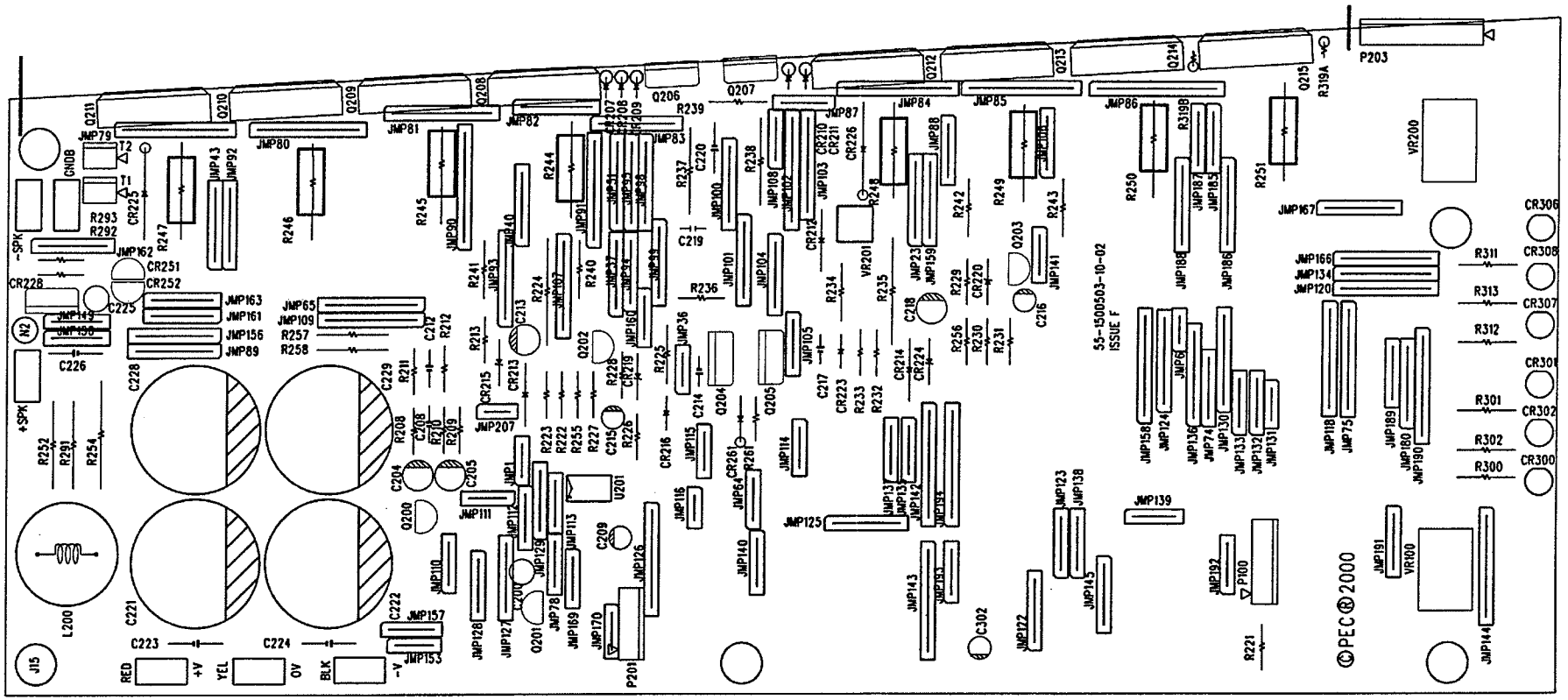

REVISION RECORD
LTR
ECO NO:
APPROVED:
DATE:
P103
VROUT_A
GND1
15V-
15V+
DELAYA
S.LED_A
D.LED_A
THERMAL_B
GNDA
P101
DELAYA
BIDFEA
DOTSIA
DOTSEA
POWER LED
DOT LED
SIGNAL LED
BIAS POT
PARALLEL RUNS
SHORT AS POSSIBLE
CLOSE PROXIMITY
<-CLOSE PROXIMITY
THERMAL_A
OUTA
TX14
TX13
TX12
GNDA
COMPANY: CREST AUDIO
TITLE: CPX 1500 CHANNEL A
DRAWN:
DATED:
CHECKED:
QUALITY CONTROL:
RELEASED:
CODE: PV-1500
SIZE:
DRAWING NO:
REV: A
SCALE:
SHEET: 2 OF 4


REVISION RECORD
LTR
ECO NO:
APPROVED:
DATE:
COMPANY: CREST AUDIO
TITLE: CPX 1500 CHANNEL B
DRAWN:
DATED:
CHECKED:
QUALITY CONTROL:
RELEASED:
CODE: PV-1500
SIZE:
DRAWING NO:
REV: A
SCALE:
SHEET: 3 OF 4
POWER LED
DOT LED
SIGNAL LED
BIAS POT
PARALLEL RUNS
SHORT AS POSSIBLE
CLOSE PROXIMITY
THERMAL_B

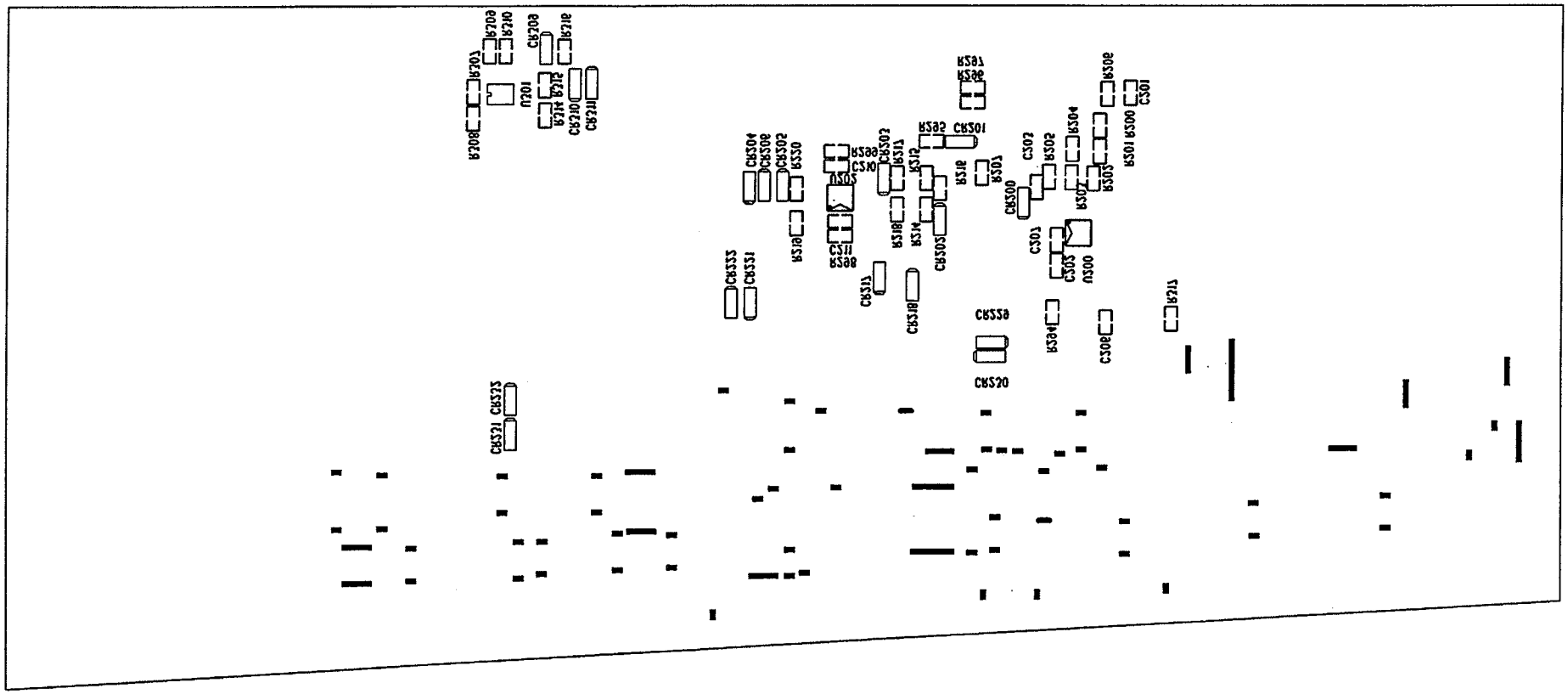

SILKSCREEN (COMPONENT SIDE)
CPX900, 1500 CHANN. A PRIMARY
55-1500473-10-01
SECTION A
ISSUE H
©PEC®2000
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE.
ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE.
FR POWER SW.
F402 1A/250V
F401 1A/250V
CH. A -
CH. A +
CH. B -
CH. B +



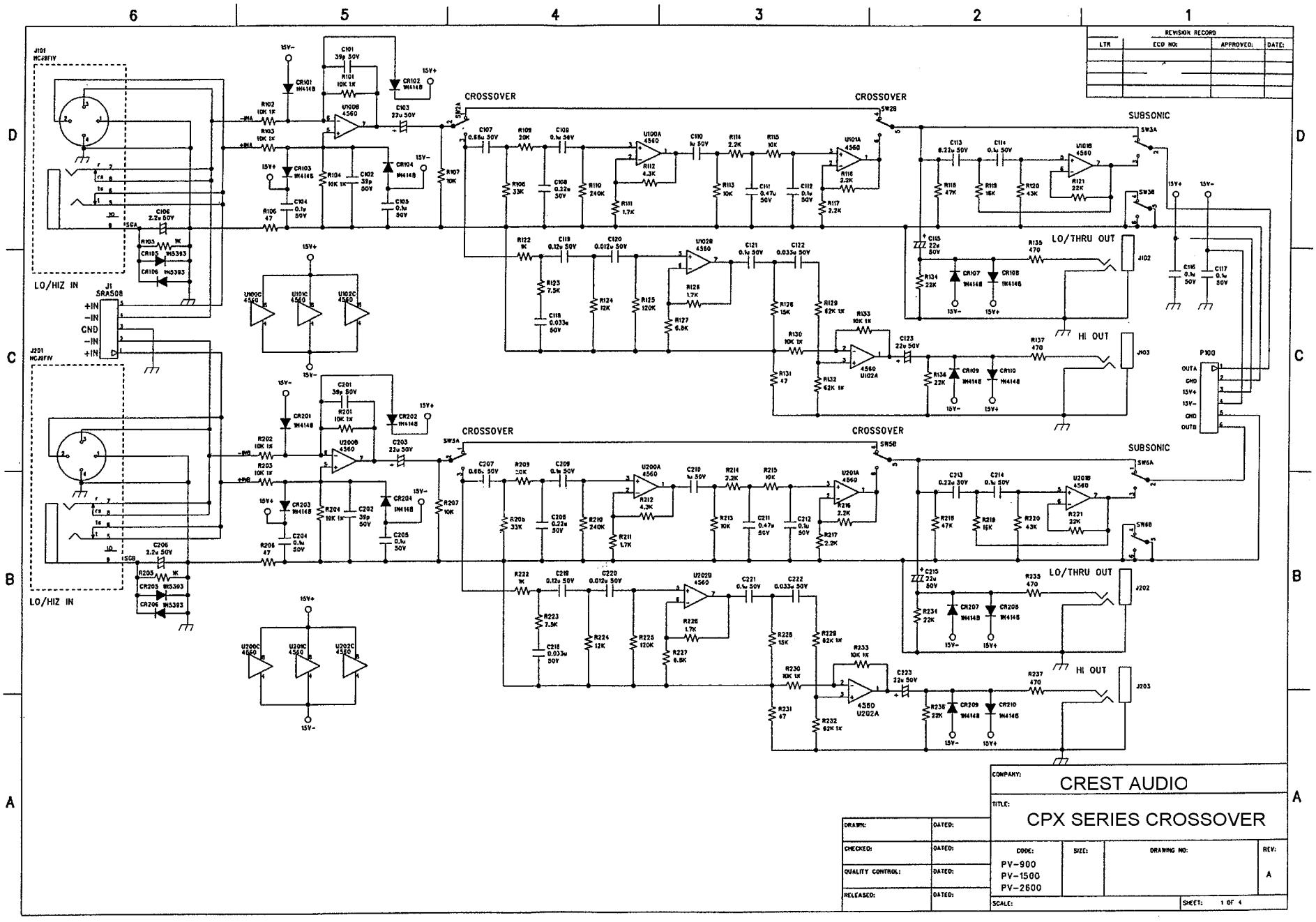
CPX 900, 1500 CHANNEL A SECONDARY



CPX 900, 1500 CHANNEL B PRIMARY



CPX 900, 1500 CHANNEL B SECONDARY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ECO NO:
APPROVED:
DATE:
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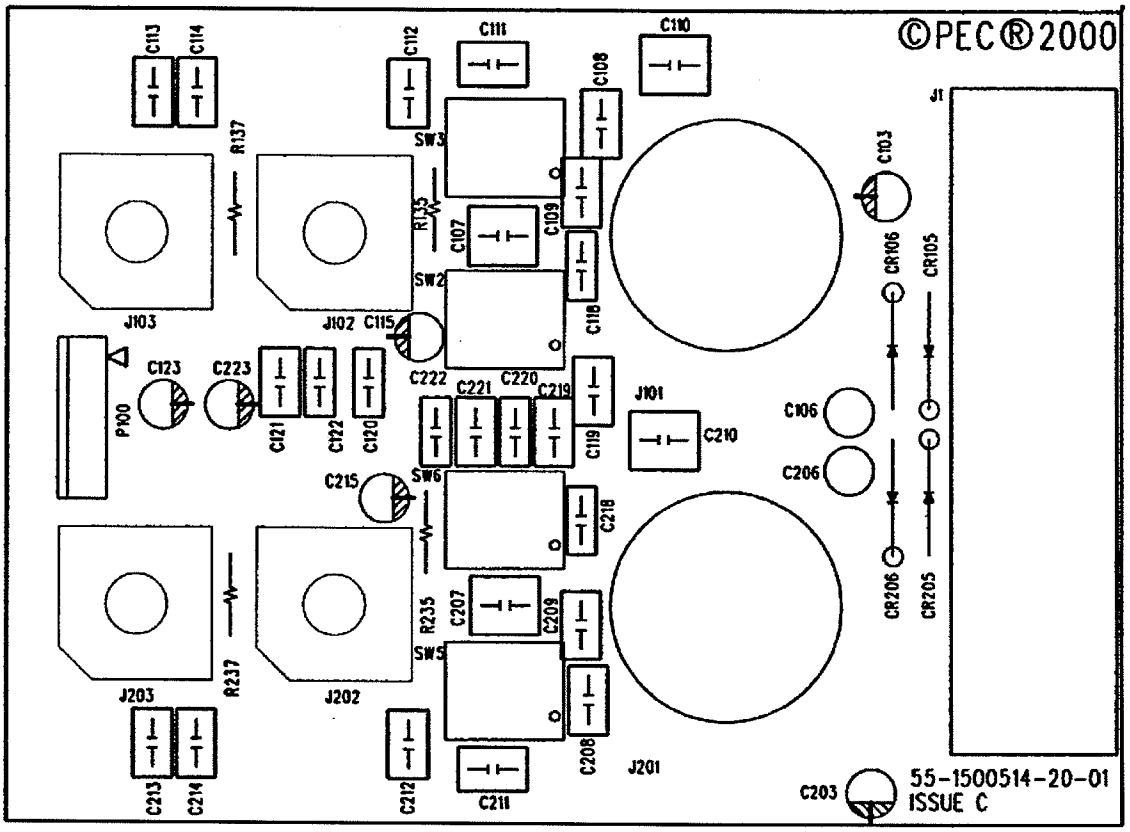
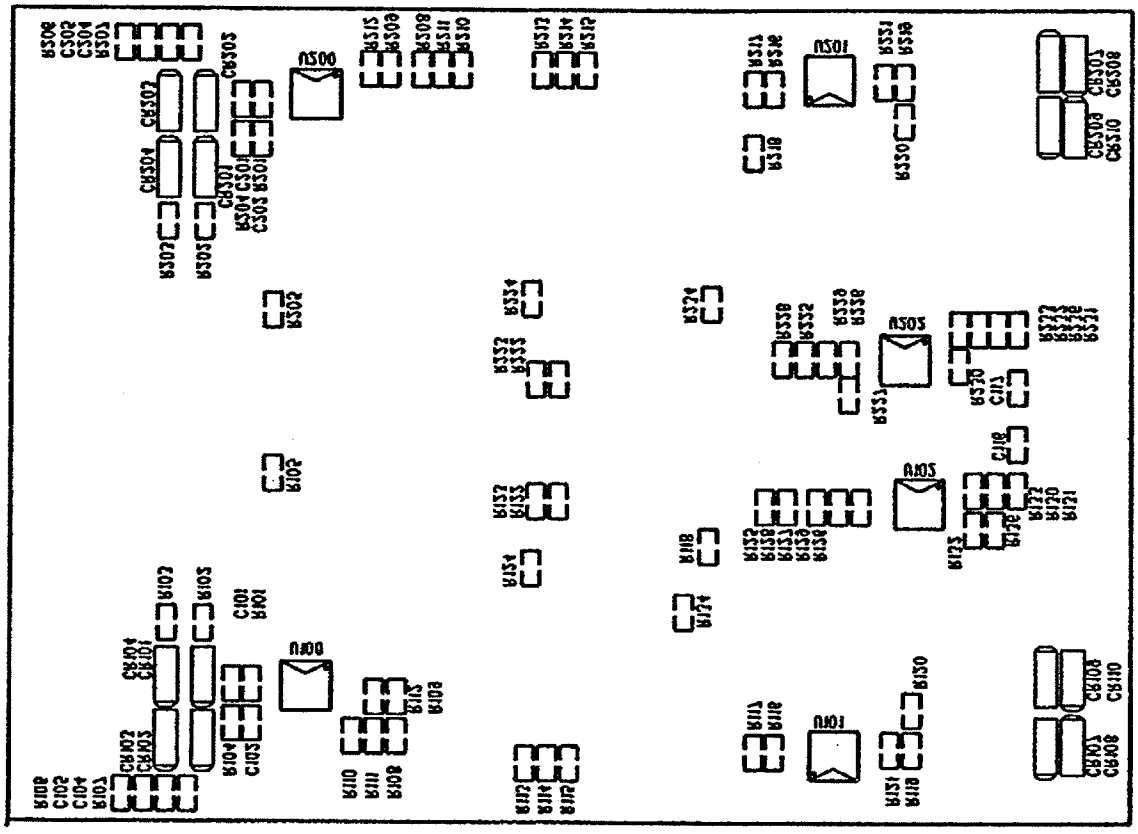
CROSSOVER
SUBSONIC
LO/THRU OUT
HI OUT
LO/HIZ IN
+IN
-IN
GND
-IN
+IN
SRA508
P100
COMPANY:
CREST AUDIO
TITLE:
CPX SERIES CROSSOVER
DRAWN:
DATED:
CHECKED:
DATED:
QUALITY CONTROL:
DATED:
RELEASED:
DATED:
CODE:
PV-900
PV-1500
PV-2600
SIZE:
DRAWING NO:
REV:
A
SCALE:
SHEET: 1 OF 4

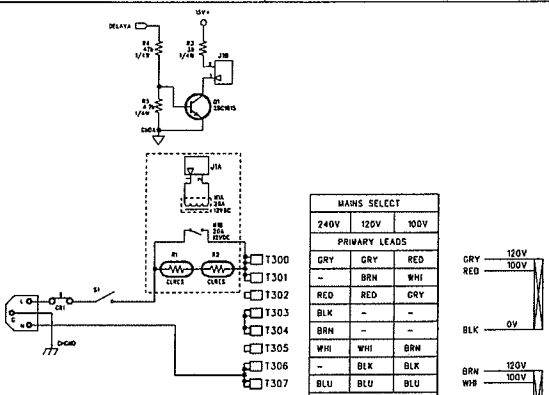


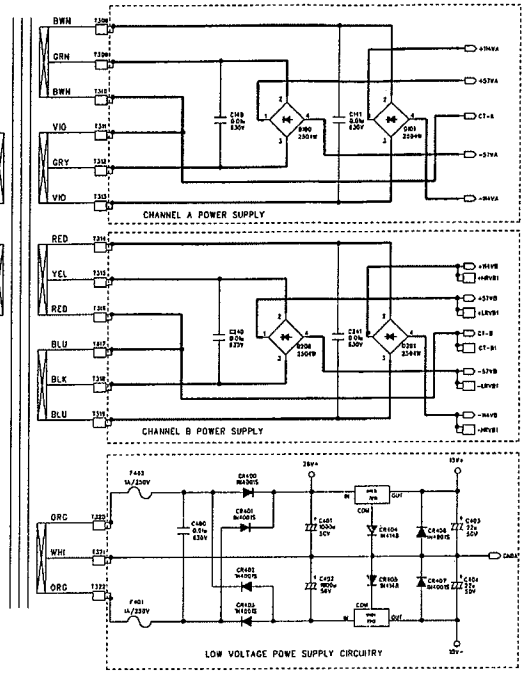
SILKSCREEN (COMPONENT SIDE)

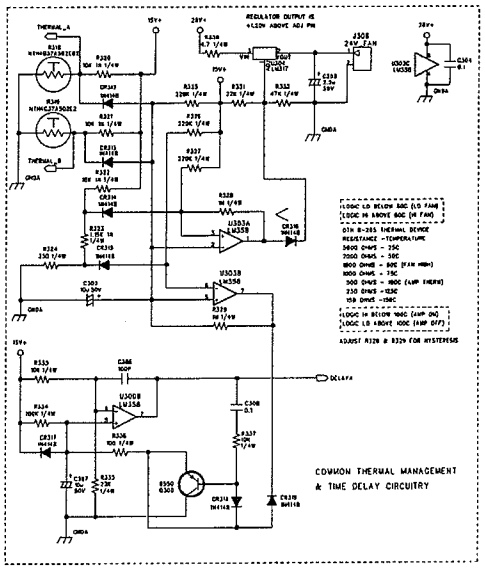


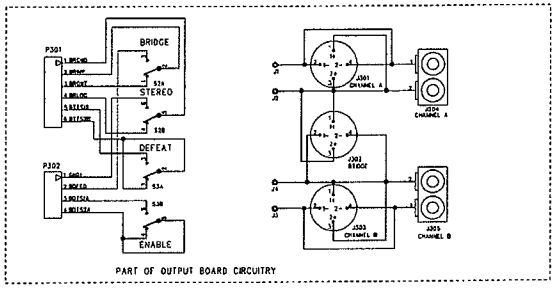
SILKSCREEN (SOLDER SIDE)

MAINS SELECT		
240V	120V	100V
PRIMARY LEADS		
GRY	GRY	RED
–	BRN	WHI
RED	RED	GRY
BLK	–	–
BRN	–	–
WHI	WHI	BRN
–	BLK	BLK
BLU	BLU	BLU
CIRCUIT BREAKER		
7.5A 250V	15A 125V	15A 125V
SURGE LIMITER		
15A 2 ohm	30A 1 ohm	30A 1 ohm









REVISION RECORD			
LTR	ECO NO	APPROVED	DATE

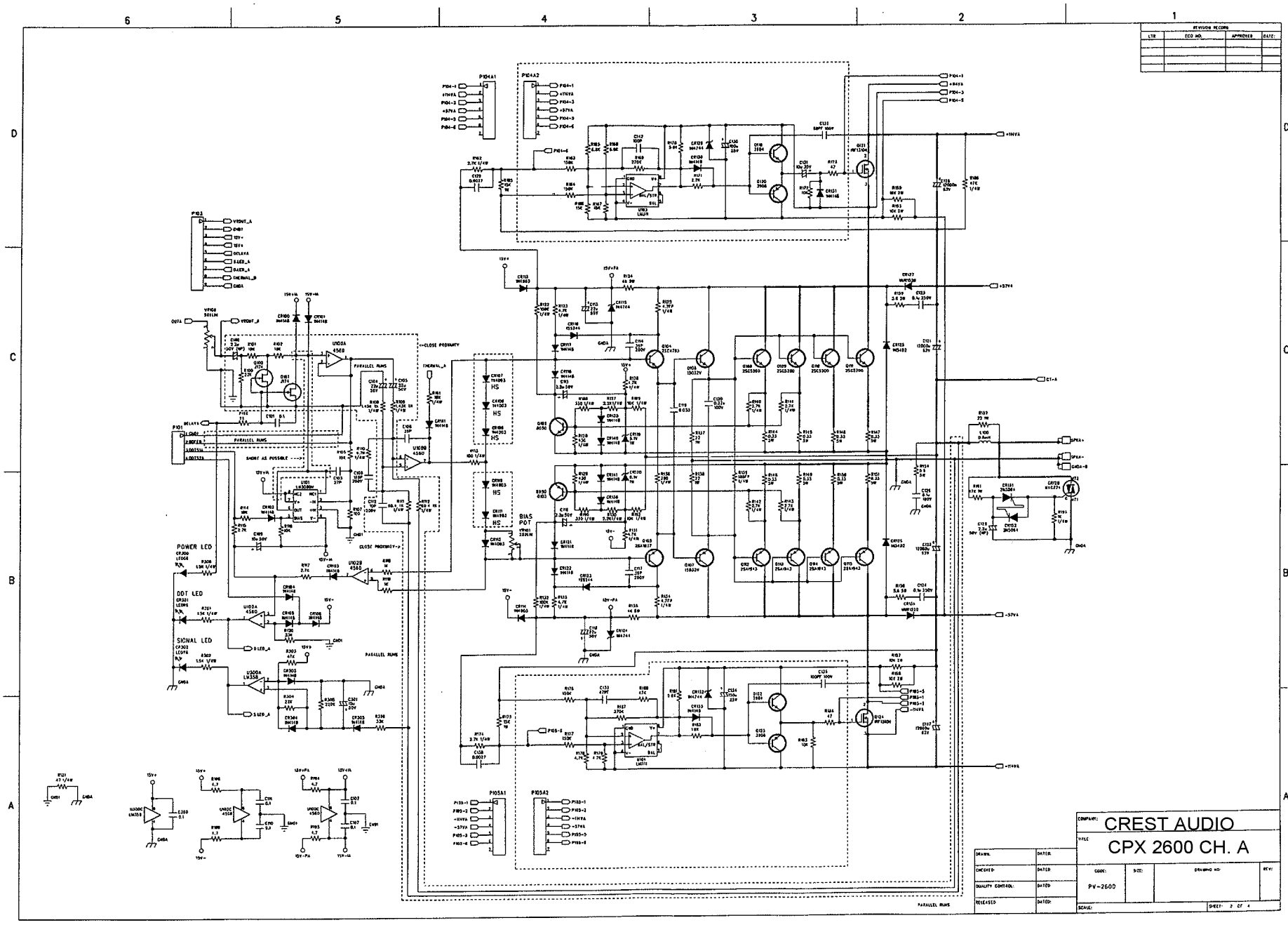
DRAWN	DATED:
CHECKED	DATED:
QUALITY CONTROL	DATED:
RELEASED	DATED:

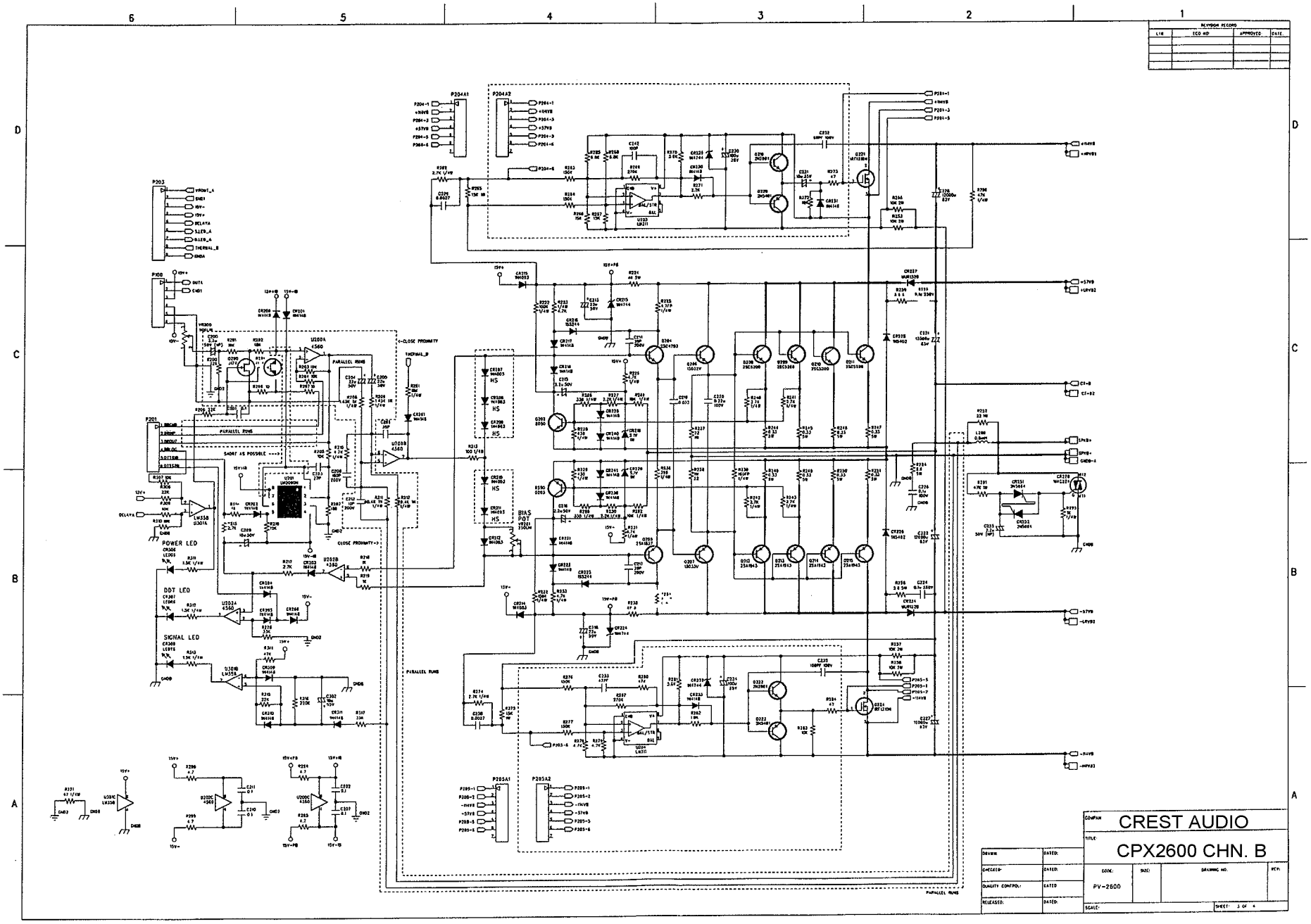
COMPANY: CREST AUDIO

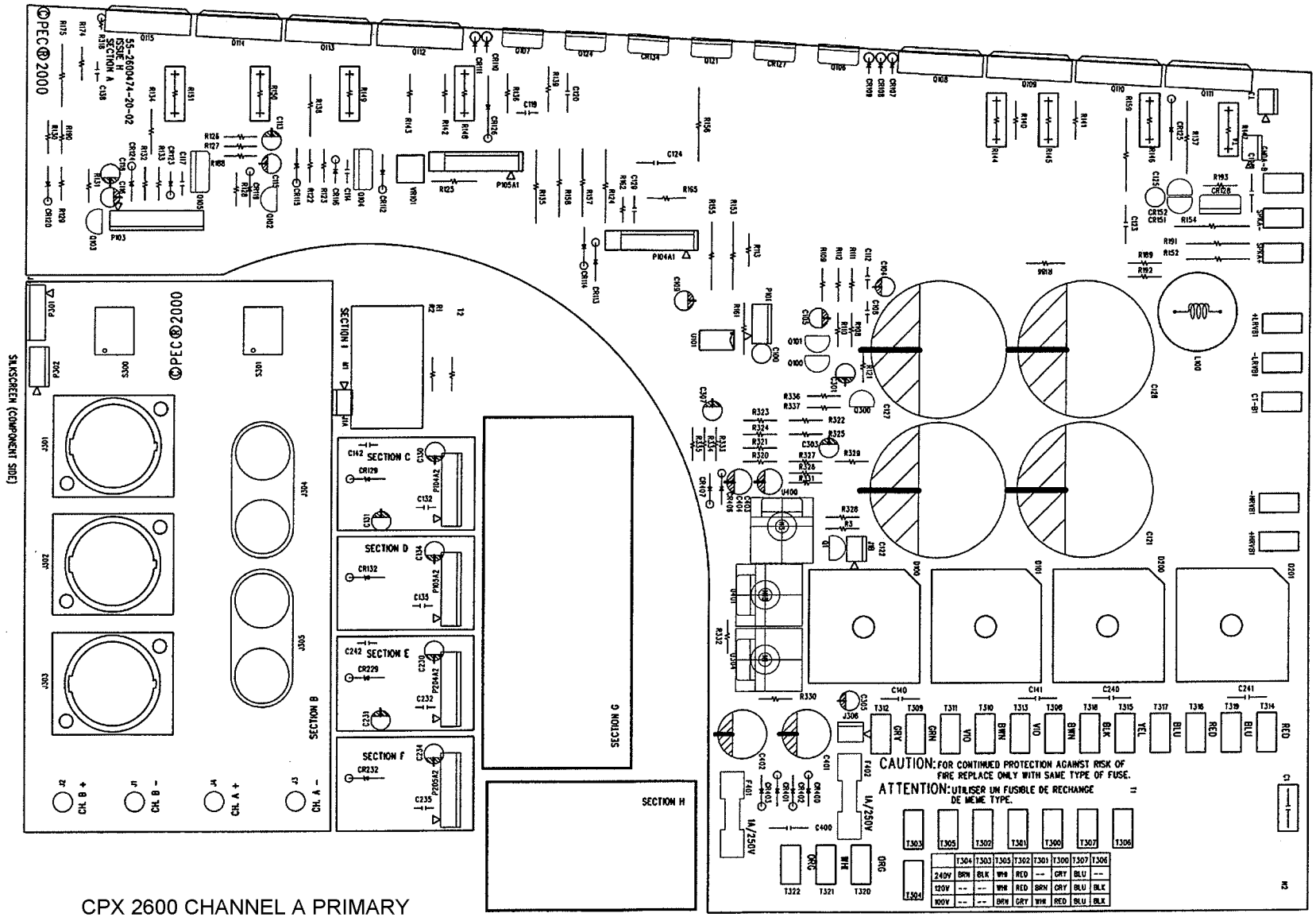
TITLE: POWER AMP (OUTPUT, POWER SUPPLY, COMMON THERMAL MANAGEMENT & TIME DELAY CIRCUITRY)

CODE:	SIZE:	DRAWING NO:	REV:
PV-2600			

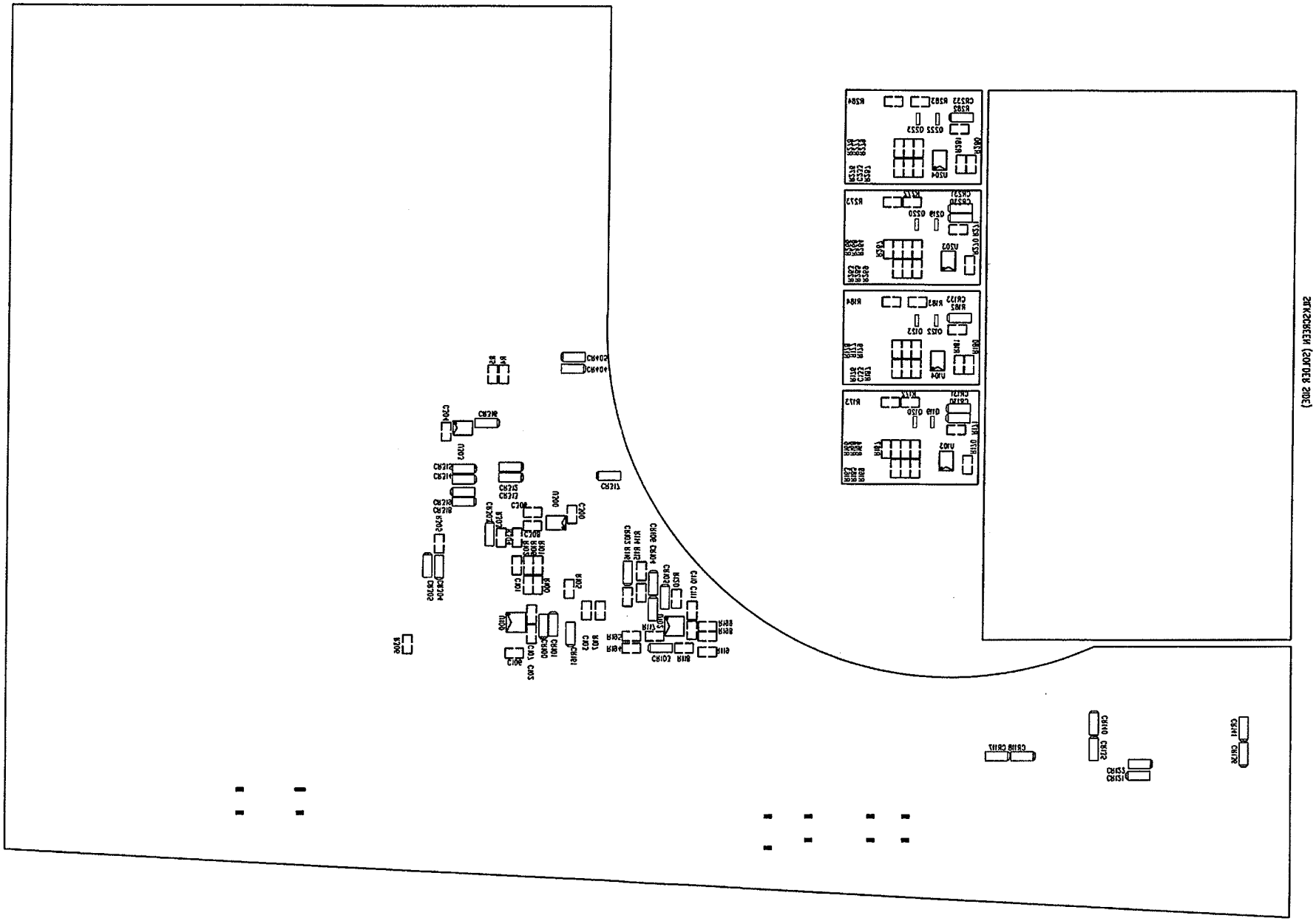
SCALE: SHEET 4 OF 4


REVISION RECORD
LTR
ECO NO.
APPROVED
DATE:
POWER LED
DDT LED
SIGNAL LED
BIAS POT
COMPANY: CREST AUDIO
TITLE: CPX 2600 CH. A
DRAWN:
CHECKED:
QUALITY CONTROL:
RELEASED:
DATE:
CODE: PV-2600
SIZE:
DRAWING NO:
REV:
SCALE:
SHEET 2 OF 4


REVISION RECORD
LTR
ECO NO
APPROVED
DATE
CREST AUDIO
CPX2600 CHN. B
COMPANY
TITLE:
DRAWING NO.
SIZE:
REV:
CODE:
PV-2600
SCALE:
SHEET: 3 OF 4
DRAWN:
DATED:
CHECKED:
QUALITY CONTROL:
RELEASED:
P204A1
P204A2
P203
P100
P201
P205A1
P205A2
POWER LED
DDT LED
SIGNAL LED
BIAS POT
PARALLEL RUNS
CLOSE PROXIMITY
SHORT AS POSSIBLE

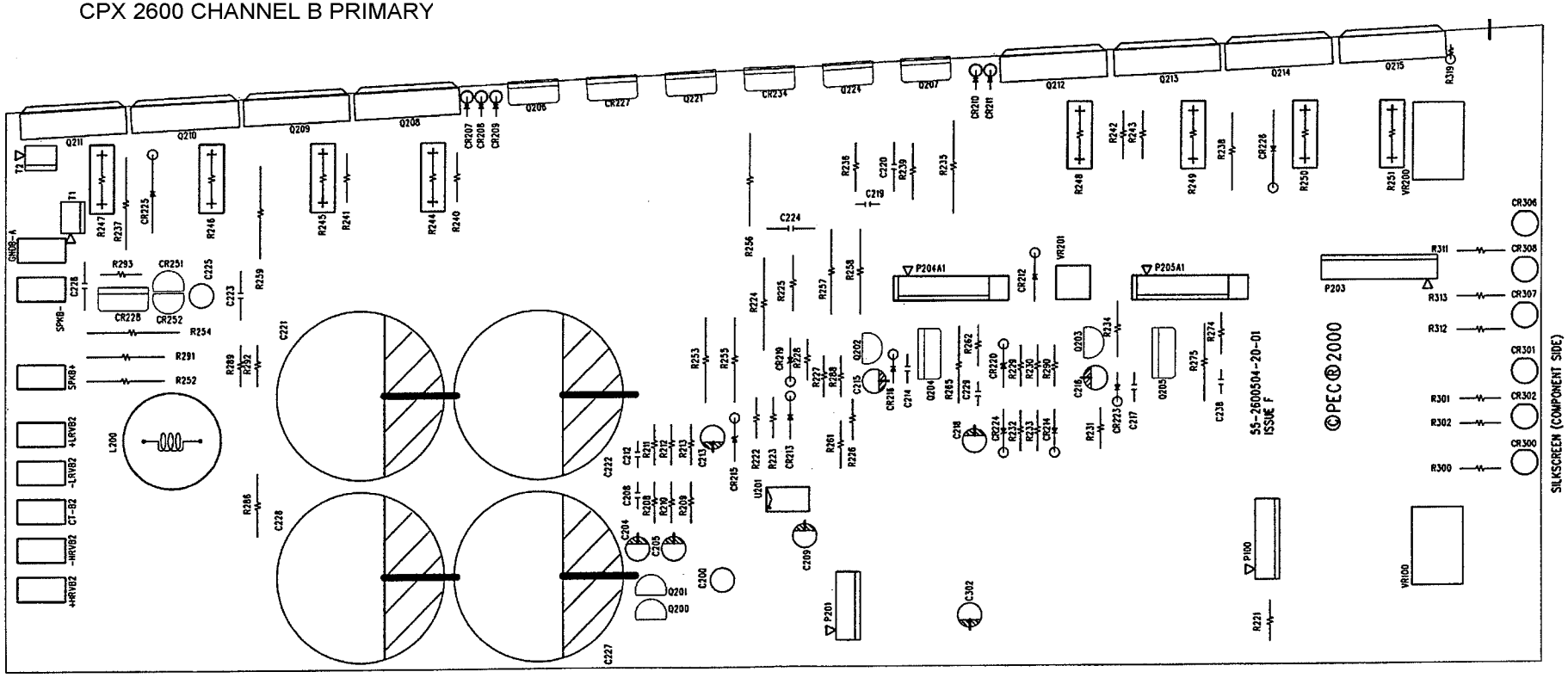

©PEC®2000
55-2600474-20-02
ISSUE 01
SECTION A
SILKSCREEN (COMPONENT SIDE)
SECTION B
SECTION C
SECTION D
SECTION E
SECTION F
SECTION G
SECTION H
CH. B +
CH. B -
CH. A +
CH. A -
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE.
ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE.
14/250V
240V BRN BLK WHI RED -- GRY BLU --
120V -- -- WHI RED BRN GRY BLU BLK
100V -- -- BRN GRY WHI RED BLU BLK

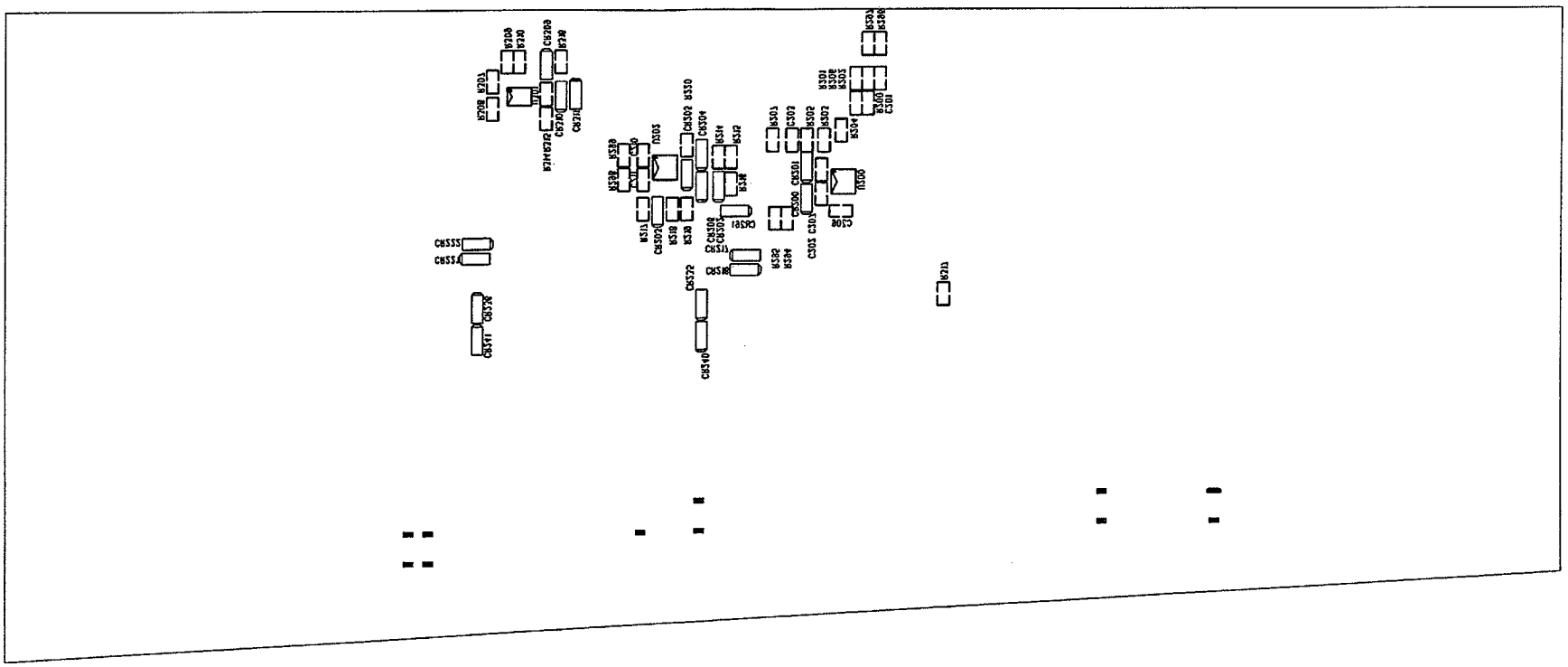
CPX 2600 CHANNEL A PRIMARY



CPX 2600 CHANNEL A SECONDARY

CPX 2600 CHANNEL B PRIMARY





CPX 2600 CHANNEL B SECONDARY LAYOUT

CPX 900, 1500 AND 2600 PARTS LIST

Please note: T&R means a through-hole part, SMD means a surface mount part.

Transistors, FET's

2SC5200	NPN T0-3P Output	70467230
2SA1943	PNP T0-3P Output	70457230
MJE15032	NPN T0-220 Driver	70415032
MJE15033	PNP T0-220 Driver	70415033
2SC4793	NPN T0-220 Pre-driver	70404793
2SA1837	PNP T0-220 Pre-driver	70401837
SS8050C	NPN T0-92- use MPS6531	70466531
SS8550C	PNP T0-92- use MPS6534	70466533
J174	P-Channel T0-92 FET, T&R	70400174
T3904	NPN SOT-23 SMD	70418135
T3906	PNP SOT-23 SMD	70418136
IRFZ44	T0-220 FET- use IRF1310	73900381
IRF1310	T0-220 FET do not mix with IRFZ44)	73900381

Diodes, Bridge Rectifier

IN4003	1 amp 200v T&R	70464003
1N4001	50v 1.6a D041 SMD	70418103
1N4148	75v T&R	70464148
1N4148	75v LL34 SMD	70418026
1N4744	15v 1 watt Zener T&R	70440102
1N4745	16v 1 watt Zener- use SZP30050 T&R	70430050
BZX55	5.1v ½ watt Zener T&R	73900430
1SS244	300v T&R	73900429
1SS142	250v T&R	70400142
1N5402	MR502 200v 3 amp T&R	70400502
MUR1520	Fast recovery T0-220 200v, 15 amp T&R	73900374
1N5393	200v, 1.5a T&R	70465393
LED Green	Right Angle	73900433
LED Red	Right Angle	73900434
LED Yellow	Right Angle	73900435
Bridge Rectifier	25 amp 400v MP254W, BR25W	73900368

Triacs, SCR's, Regulators

LM317T	1 amp T0-220 Adjustable Regulator	70400317
7815	1.5 amp Positive 15v T0-220 Insulated Regulator	70400318
7915	1.5 amp Negative 15v T0-220 Insulated Regulator	70400319
MAC224-8	40 amp 600v T0-220 Triac (can use SAC187 70400187)	73900379
2N5064	SCR .8 amp 200v	73900437

Integrated Circuits

NJM4560M	Dual Opamp S0-8 SMD	70418053
LM311	Voltage Comparator S0-8 SMD	70418014
CA3080	Single OTA 8 pin DIP	70413080
LM358	Low Power Dual Opamp S0-8 SMD	70418276

Thermistors, Surgistors, Capacitors, Resistors

NTH4037A502	Thermistor NTC	73900378
Surgistor	1 ohm 30 amp	70250123
1200uf 63v	Radial Cap	73900369
3300uf 100v	Radial Cap	73900370
4700uf 80v	Radial Cap	73900371
22uf 50v	Radial Cap	70320181
10uf 50v	Radial Cap	70320185
2.2uf 50v	Non-Polarized Radial Cap	70320184
.33 ohm 5 watt	Resistor T&R	70250003
5.6 ohm 5 watt	Resistor T&R	70250026
4k ohm 5 watt	Resistor T&R	70250050
22 ohm 1 watt	Resistor T&R	70210001
47k 1 watt	Resistor T&R	70210004
4.7 ohm ¼ watt	Resistor T&R Flameproof	70240094

Miscellaneous

Circuit Breaker	10 amp	73900372
Circuit Breaker	15 amp	70901275
Circuit Breaker	5 amp (export)	73900440
Circuit Breaker	8 amp (export)	70902302
1 amp Fuse	Slow-Blow 5x20 mm	73900569
Fuse Clip	P.C. Mount	73900431
Fan	24v	73900375
Volume Pot	50k Linear	73900380
Knob	Low Profile, flush with front of unit (newer style)	70902298
Knob	Earlier Units, not flush with front of unit (older style)	73900432
Knob Adapter	White Pointer Adapter for 73900432 knob above	73900432
Power Switch		73900377
Push Switch	Bridge, DDT Defeat	73900376
Binding Posts	Red and Black Posts, per channel	73900438
Speakon Connector		B7050018
Neutrik Combo Input Jack		71466398